

DURANEX® 652SA

Polyplastics - Acrylonitrile Butadiene Styrene + PBT

General Information

Product Description

Low Warpage, SA Series

Mineral Reinforced, Low Density, High Sliding

General

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|-------------------------------|---|
| Filler / Reinforcement | • Mineral |
| Additive | • Flame Retardant |
| Features | • Flame Retardant • Low Friction • Low Density • Low Warpage |
| UL File Number | • E213445 |
| Forms | • Pellets |
| Processing Method | • Injection Molding |
| Part Marking Code (ISO 11469) | • >PBT+ABS-(PS+MD)20 FR(17)< |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-----------------------|-----------------|
| Density | 1.45 | g/cm ³ | ISO 1183 |
| Water Absorption (24 hr, 73°F, 0.0394 in) | 0.20 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | 7400 | psi | ISO 527-2 |
| Tensile Strain (Break) | 3.3 | % | ISO 527-2 |
| Flexural Modulus | 798000 | psi | ISO 178 |
| Flexural Stress | 13800 | psi | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (73°F) | 1.4 | ft-lb/in ² | ISO 179/1eA |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (M-Scale) | 70 | | ISO 2039-2 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load 264 psi, Unannealed | 230 | °F | ISO 75-2/A |
| CLTE - Flow (73 to 131°F) | 4.4E-5 | in/in/°F | Internal Method |
| CLTE - Transverse (73 to 131°F) | 4.4E-5 | in/in/°F | Internal Method |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | V-1 | | UL 94 |
| Additional Information | Nominal Value | Unit | |
| Color Number | EF2001/ED3002 | | |